

=> d his

(FILE 'USPAT' ENTERED AT 06:54:39 ON 30 DEC 96)

L1 1 S 5422832/PN
L2 1 S 5291607/PN
L3 1 S 5287292/PN
L4 1 S INTEGRATED THERMAL SENSOR
L5 553 S BAND GAP VOLTAGE OR BANDGAP VOLTAGE
L6 4 S THERMAL SENSOR AND L5
L7 1 S 5077491/PN

=> d 1-4

1 ANSWERS ARE AVAILABLE. SPECIFIED ANSWER NUMBER EXCEEDS ANSWER SET
SIZE

ENTER ANSWER NUMBER OR RANGE (1):d l6 1-4

ANSWER NUMBERS NOT CORRECTLY SPECIFIED

ENTER ANSWER NUMBER OR RANGE (1):end

=> d l6 1-4

1. 5,483,102, Jan. 9, 1996, Employing on die temperature sensors and fan-heatsink failure signals to control power dissipation; James R. Neal, et al., 257/712, 706, 713; 361/98, 103, 106; 364/557; 395/556, 750 [IMAGE AVAILABLE]

2. 5,448,174, Sep. 5, 1995, Protective circuit having enhanced thermal shutdown; Mark W. Gose, et al., 327/513, 83, 262, 378 [IMAGE AVAILABLE]

3. 5,359,236, Oct. 25, 1994, Integrated circuit **thermal** **sensor**;
Raymond L. Giordano, et al., 327/512, 378; 330/288 [IMAGE AVAILABLE]

4. 4,488,824, Dec. 18, 1984, Method and apparatus for precision temperature measurement; Robert J. Salem, 374/181, 178 [IMAGE AVAILABLE]

=>

L11 17 THERMAL SENSOR AND L10

=> d 1-17

1. 5,582,235, Dec. 10, 1996, Temperature regulator for burn-in board components; Harold E. Hamilton, et al., 165/263, 80.3; 324/760; **364/557** [IMAGE AVAILABLE] FD: Aug 11, 94
2. 5,483,102, Jan. 9, 1996, Employing on die temperature sensors and fan-heatsink failure signals to control power dissipation; James R. Neal, et al., 257/712, 706, 713; 361/98, 103, 106; **364/557**; 395/550, 750 [IMAGE AVAILABLE] FD: May 12, 94
3. 5,436,852, Jul. 25, 1995, Method and apparatus for calculating predicted mean thermal sensitivity; Akihiko Kon, **364/557**; 236/91C; 364/505; 374/109 [IMAGE AVAILABLE] FD: Sep 22, 94
4. 5,422,832, Jun. 6, 1995, Variable **thermal** **sensor**; Miki Moyal, **364/557**; 323/907; 327/512; 330/289; 361/103, 106 [IMAGE AVAILABLE] FD: Dec 22, 93
5. 5,249,141, Sep. 28, 1993, Method and apparatus for maintaining an active device below a maximum safe operating temperature; Bart C. Vandebroek, et al., **364/557**; 324/71.1; 361/103; 364/480, 579 [IMAGE AVAILABLE] FD: Oct. 24, 90
6. 5,151,871, Sep. 29, 1992, Method for heat-processing semiconductor device and apparatus for the same; Kimiharu Matsumura, et al., **364/557**; 219/457, 464 [IMAGE AVAILABLE]
7. 5,128,884, Jul. 7, 1992, Black body calibration using image processing techniques; Kenneth E. Prager, 364/571.03; 250/252.1; **364/557**; 374/2 [IMAGE AVAILABLE]
8. 5,105,366, Apr. 14, 1992, Comfort control system and method factoring mean radiant temperature; Thomas J. Beckey, 364/505; 165/224, 257; 236/91C; **364/557**; 374/109 [IMAGE AVAILABLE]
9. 5,031,126, Jul. 9, 1991, Constant power **thermal** **sensor**; Reginald W. McCulloch, et al., **364/557**; 73/295; 340/622; 364/571.03; 374/44, 183 [IMAGE AVAILABLE]
10. 4,944,035, Jul. 24, 1990, Measurement of thermal conductivity and specific heat; Roger L. Aagardl, et al., 364/556; 73/25.03, 204.16, 204.17; **364/557**; 374/30, 44 [IMAGE AVAILABLE]
11. 4,890,932, Jan. 2, 1990, Thermal environment sensor with means to simulate emissivity of human body; Masahiro Kobayashi, et al., 374/109;

5 490 059

5,350,114

236/44E; **364/557**; 374/9 [IMAGE AVAILABLE]

12. 4,887,229, Dec. 12, 1989, Method and apparatus for a non-contact measuring of a temperature of a body; Hardy P. Weiss, **364/557**;
250/352; 374/124, 128, 133 [IMAGE AVAILABLE]

13. 4,866,640, Sep. 12, 1989, Temperature compensation for pressure gauge; Charles F. Morrison Jr., 364/558; 73/708; 327/513, 516;
364/557₁, 571.03 [IMAGE AVAILABLE]

14. H 562, Dec. 6, 1988, Accurate electronic thermometer; Gary M. Trachier, et al., **364/557**₂; 374/101 [IMAGE AVAILABLE]

15. 4,623,969, Nov. 18, 1986, Electronic temperature controller for householding; David Bensoussan, et al., 364/505; 165/11.1; 236/47, 94;
364/160, 492, **557** [IMAGE AVAILABLE]

16. 4,364,676, Dec. 21, 1982, Heat transfer meter; Viktor Oja, et al.,
374/44; **364/557** [IMAGE AVAILABLE]

17. 3,777,568, Dec. 11, 1973, D. C. ELECTRONIC APPARATUS FOR IR RADIATION TEMPERATURE MEASUREMENT; Ojars Risgin, et al., 374/128;
364/524, **557**₃; 374/129, 133, 179 [IMAGE AVAILABLE]

=> 5 483 102 FD May 12, 94

5-287292-

5 349 823

L22 17 PROGRAMM? AND L20

=> d 1-7

1. 5,539,381, Jul. 23, 1996, Fixed threshold and rate of rise heat detector with dynamic thermal reference; Kirk R. Johnson, 340/584, 587, 588, 589; 374/10, 169 [IMAGE AVAILABLE]
2. 5,526,871, Jun. 18, 1996, Quick connect diagnostic apparatus and method for a vehicle cooling system; Marshall R. Musser, et al., 165/11.1; 73/116, 117.3; 340/439, 449; 374/145 [IMAGE AVAILABLE]
3. 5,490,059, Feb. 6, 1996, Heuristic clock speed optimizing mechanism and computer system employing the same; Rupaka Mahalingaiah, et al., 364/166, 550; 395/550 [IMAGE AVAILABLE]
4. 5,475,405, Dec. 12, 1995, Control circuit for regulating temperature in an ink-jet print head; John A. Widder, et al., 347/14, 60 [IMAGE AVAILABLE]
5. 5,451,892, Sep. 19, 1995, Clock control technique and system for a microprocessor including a **thermal** **sensor**; Joseph A. Bailey, 327/113, 8, 47, 83, 138, 291, 513 [IMAGE AVAILABLE]
6. 5,422,832, Jun. 6, 1995, Variable **thermal** **sensor**; Miki Moyal, 364/557; 323/907; 327/512; 330/289; 361/103, 106 [IMAGE AVAILABLE]
7. 5,350,114, Sep. 27, 1994, Microprocessor controller for diesel fuel fired heater; Kirk A. Nelson, et al., 237/2A; 123/142.5R; 237/12.3C [IMAGE AVAILABLE]

=>

* 6, 10
#4

=> d 1-17 fd

US PAT NO: 5,539,381 [IMAGE AVAILABLE]
DATE FILED: Nov. 14, 1994

L22: 1 of 17

US PAT NO: 5,526,871 [IMAGE AVAILABLE]
DATE FILED: Feb. 8, 1994

L22: 2 of 17

US PAT NO: 5,490,059 [IMAGE AVAILABLE]
DATE FILED: Sep. 2, 1994

L22: 3 of 17

US PAT NO: 5,475,405 [IMAGE AVAILABLE]
DATE FILED: Dec. 14, 1993

L22: 4 of 17

#8
J1 7.

US PAT NO: 5,451,892 [IMAGE AVAILABLE]
DATE FILED: Oct. 3, 1994

L22: 5 of 17

US PAT NO: 5,422,832 [IMAGE AVAILABLE]
DATE FILED: Dec. 22, 1993

L22: 6 of 17

4 779 161
4 924 112
5 287 292
5 291 607
5 077 491
4 848 824

US PAT NO: 5,350,114 [IMAGE AVAILABLE]
DATE FILED: Jul. 21, 1993

L22: 7 of 17

US PAT NO: 5,000,381 [IMAGE AVAILABLE]
DATE FILED: Feb. 22, 1990

L22: 8 of 17

US PAT NO: 4,852,360 [IMAGE AVAILABLE]
DATE FILED: Dec. 8, 1987

L22: 9 of 17

US PAT NO: 4,802,099 [IMAGE AVAILABLE]
DATE FILED: Jan. 3, 1986

L22: 10 of 17

US PAT NO: 4,763,666 [IMAGE AVAILABLE]
DATE FILED: Apr. 22, 1986

L22: 11 of 17

US PAT NO: 4,739,343 [IMAGE AVAILABLE]
DATE FILED: Jun. 30, 1986

L22: 12 of 17

US PAT NO: 4,672,980 [IMAGE AVAILABLE]
DATE FILED: Aug. 6, 1982

L22: 13 of 17

US PAT NO: 4,638,813 [IMAGE AVAILABLE]
DATE FILED: Mar. 15, 1984

L22: 14 of 17

US PAT NO: 4,589,423 [IMAGE AVAILABLE]
DATE FILED: Aug. 6, 1984

L22: 15 of 17

US PAT NO: 4,586,516 [IMAGE AVAILABLE]
DATE FILED: Oct. 11, 1984

L22: 16 of 17

US PAT NO: 4,554,500 [IMAGE AVAILABLE]
DATE FILED: Mar. 31, 1983
=> d 8-17

L22: 17 of 17

8. 5,000,381, Mar. 19, 1991, Window fan with controller; Charles V. Mueller, et al., 236/44C; 165/291; 236/49.3; 454/208 [IMAGE AVAILABLE]

9. 4,852,360, Aug. 1, 1989, Heat pump control system; John H. Harshbarger, Jr., et al., 62/126, 156, 160; 165/242, 253 [IMAGE AVAILABLE]

10. 4,802,099, Jan. 31, 1989, Physical parameter balancing of circuit islands in integrated circuit wafers; Joseph C. Logue, 364/491; 257/467; 327/513, 526; 364/488, 571.01 [IMAGE AVAILABLE]

11. 4,763,666, Aug. 16, 1988, Method and apparatus for determining the **thermal** **sensitivity** of the human peripheral nervous system; Friedrich Strian, et al., 128/742, 744; 607/96 [IMAGE AVAILABLE]

12. 4,739,343, Apr. 19, 1988, Thermal printing system for postage meter mailing machine application; Donald T. Dolan, 347/214; 101/66, 71, 288; 156/384; 235/101, 432; 271/2, 9.02; 346/136; 347/197, 217; 400/207, 224.1, 248, 624, 692; D18/51 [IMAGE AVAILABLE]

13. 4,672,980, Jun. 16, 1987, System and method for creating hyperthermia in tissue; Paul F. Turner, 607/154; 219/696, 704 [IMAGE AVAILABLE]

14. 4,638,813, Jan. 27, 1987, Electric field probe; Paul F. Turner, 607/154; 324/95, 119; 343/703, 793, 802 [IMAGE AVAILABLE]

15. 4,589,423, May 20, 1986, Apparatus for creating hyperthermia in tissue; Paul F. Turner, 607/154; 219/697 [IMAGE AVAILABLE]

16. 4,586,516, May 6, 1986, Apparatus for creating hyperthermia in tissue; Paul F. Turner, 607/154; 219/702 [IMAGE AVAILABLE]

17. 4,554,500, Nov. 19, 1985, Battery charging apparatus and method; Thomas J. Sokira, 320/31, 21, 23, 35, 37 [IMAGE AVAILABLE]

=>